

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

VO-670

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)

10/500733

INTERNATIONAL APPLICATION NO. PCT/EP03/00212	INTERNATIONAL FILING DATE 11 January 2003	PRIORITY DATE CLAIMED 11 March 2002
TITLE OF INVENTION		
COOLING ARRAY		

APPLICANT(S) FOR DO/EO/US

Michael NICOLAI et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. This is a **SECOND OR SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. has been transmitted by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. A translation of the International Application into English (35 U.S.C. 371(c)(2)), including a translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). (verified)
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. have been transmitted by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). (verified)
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (4 pages, executed, attached to a copy of the International Application)
10. A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern other document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. (3 pages total)
13. A **FIRST** preliminary amendment. (8 pages)
 A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. A substitute specification. (attached to a red-ink marked-up version of the English language translation)
15. A change of power of attorney and/or address letter.
16. Other items or information:
 - Form PCT/IB/301
 - Form PCT/IB/304
 - Form PCT/IB/308
 - Form PCT/ISA/210 (English language version, 3 pages)
 - Transmittal of Substitute Specification (2 pages)
 - Certificate of Mailing by Express Mail (2 pages)
 - Return Receipt Postcard

EXPRESS MAIL NO.: EV478067417US

MAILED: 02 July 2004

CUSTOMER NO.: 42419

U.S. APPLICATION NO. (If known, see 37 CFR 1.54)		INTERNATIONAL APPLICATION NO. PCT/EP03/00212	ATTORNEY'S DOCKET NUMBER VO-670
17. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):		CALCULATIONS PTO USE ONLY	
Search Report has been prepared by the EPO or JPO \$ 920.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) \$ 730.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) \$ 770.00 Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$ 1,080.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) \$ 100.00			
ENTER APPROPRIATE BASIC FEE AMOUNT =		\$ 920.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).			
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	* 12	0	X \$18.00
Independent claims	* 1	0	X \$86.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$290.00	
TOTAL OF ABOVE CALCULATIONS =		\$ 920.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.		+	
SUBTOTAL =		\$ 920.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		+	
TOTAL NATIONAL FEE =		\$ 920.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		+	
TOTAL FEES ENCLOSED =		\$ 960.00	
* Based upon entry of the First Preliminary Amendment.		Amount to be: refunded	\$
		charged	\$
a. <input checked="" type="checkbox"/> A check in the amount of <u>\$960.00</u> to cover the above fee is enclosed.			
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.			
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-3550</u> . A duplicate copy of this sheet is enclosed.			
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.			
 SIGNATURE Douglas H. Pauley			
NAME 33,295			
REGISTRATION NUMBER			

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Michael NICOLAI
Martin DÖRRICH

Title: COOLING ARRAY

Based Upon: PCT/EP03/00212

Express Mail No.: EV478067417US

Date of Deposit: 02 July 2004

Customer No.: 42419

CERTIFICATE OF MAILING BY EXPRESS MAIL

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that the following requisites of the subject Patent Application are being deposited with the United States Postal Service as Express Mail Post Office to Addressee No. EV478067417US, on 02 July 2004, and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, together with the items listed below.

- Transmittal Letter (Form PTO-1390) (2 pages), in duplicate
- Executed German Language Declaration (4 pages), attached to a German language copy of the International Application

Based Upon: PCT/EP03/00212

- Verified English language translation of the International Application, including a translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5))
- First Preliminary Amendment (8 pages)
- Transmittal of Substitute Specification (2 pages)
- Substitute Specification attached to a red ink marked-up copy of the verified English language translation
- Form PCT/IB/301
- Form PCT/IB/304
- Form PCT/IB/308
- English language copy of the International Search Report, Form PCT/ISA/210 (3 pages)
- Recordation Form Cover Sheet, together with executed Assignment Document (3 pages total)
- A check in the amount of \$960.00 to cover the fees set forth in the Transmittal Letter
- Return Receipt Postcard

Respectfully submitted,


Douglas H. Pauley
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